chipped flint. Fire transported from hearth to the furnace brought the metals into his service. Copper tin and zinc were blended into bronze brass : iron was not more refractory. but Asia Europe was a later discovery. and Carbonized (steel) of good quality could be produced simple appliances if used with skill. To steeledaed tools most materials are submissive : the blacksmith could work in iron the carpenter in mason in stone, and could elaborate ornamental which embellishments in some countries were brought to a high pitch of artistic excellence. But the motive power was man's own strenath manufacture was by handicraft. Only a century a half has passed since and discoverv made that by the burning of coal enerav could be evolved which could employ tools with infinitely more efficiency than attainable human muscle, so that man, having once harnessed this power to his machinery. could stand aside and watch the achievements of the he iinn had enslaved. Dress originated in an idea not of decency of warmth. but of ornament. It has accordingly been the practice of almost all races of partially to undress themselves as a sign respect. Orientals uncover the feet: Europeans

permit no women to enter his presence until they had discarded all their clothing : and ladies may

It is related of the Sultan of Melli that

head.

would

not be presented at the royal courts of Europe unless thev are clad in decollete fashion. Amonast uncultured peoples beads are often more prized than clothing and their women are loaded necklaces when scarcely provided with nether garment. Civilized nations, under the promptings of reason, have discovered the protective value of clothes: they have also strayed into